

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 660119.401		APPLICATION NO. 10/811,310	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Jeffrey J. Berkley et al.			
				FILING DATE March 26, 2004		GROUP ART UNIT 2629	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY			TRANSLATION YES NO
/asb/	AA	2006-024041	01/26/06	JP			
OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
/asb/	AA	Berkelman et al. "Design of a Hemispherical Magnetic Levitation Haptic Interface," 1996 ASME Mechanical Engineering Congress and Exposition, Atlanta, November 17-22 1996, DSC-Vol. 58 pp. 483-488					
/asb/	AB	Bougula et al., "New Haptic Device for Human-Scale Virtual Environment: Scalable-SPIDAR," International Conference on Artificial Reality and Tele-Existence (ICAT97), Tokyo, Japan, pp. 93-98. 1997.					
/asb/	AC	Brooks, et al., "Project GROPE – Haptic Displays for Scientific Visualization," Computer Graphics 24(4):177-185, 1990.					
/asb/	AD	Fabiani et al., "Human Interface Using the Rutgers Master II Force Feedback Interface, Proceedings of VRAIS'96, pp. 54-59.					
/asb/	AE	Gomez et al., "Integration of the Rutgers Master II in a Virtual Reality Simulation," Proceedings of the Virtual Reality Annual International Symposium (VRAIS '95), pp 198-202.					
/asb/ English Abstract Only	AF	Inoue et al., "A New Force Computation Method for Wire Driven Force Display," The Institute of Image Information and Television Engineers, HIR 2001-54, NIM 2001-63, 6 pages.					
/asb/	AG	Ishii et al., "A 3D Spatial Interface Device Using Tensed Strings," Presence, Vol. 3 No.1, Winter 1994, pp. 81-86.					
/asb/	AH	Ishii et al., "Networked SPIDAR: A Networked Virtual Environment with Visual, Auditory, and Haptic Interaction," Presence, Vol. 3 No. 4, Fall 1994, pp. 351-359.					
/asb/	AI	Iwata, "Artificial Reality with Force-feedback: Development of Desktop Virtual Space with Compact Master Manipulator," Computer Graphics, Vol. 24, No. 4, August 1990, pp. 165-170.					
EXAMINER				DATE CONSIDERED			
/Alexander S. Beck/				03/26/2010			
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/asb/	AA	Kawamura et al., "A New Type of Master Robot for Teleoperation Using a Radial Wire Drive System," Proceedings of the 1993 IEEE/RSJ International Conference on Intelligent Robots and Systems, Yokohama, Japan, pp. 55-60, 1993.	
/asb/	AB	Kawamura et al., "Development of an Ultrahigh Speed Robot FALCON using Wire Drive Systems," IEEE International Conference on Robotics and Automation, pp. 215-220, 1995.	
/asb/	AC	Kim et al., "Personal VR system for rehabilitation to hand movement," ICAT'98, pp. 102-108.	
/asb/	AD	Kim, "A Proposal of 7 DOFs Force Display: SPIDAR-G", Ph.D dissertation, Tokyo Institute of Technology, December 2004, 102 pages.	
/asb/ English Abstract Only	AE	Kushida et al., "A Proposal of Free Form Modeling Method Based on Glass-work Metaphor," The Institute of Electronics, Information and Communication Engineers, Technical Report of IEICE, MVE2000-33 (2006-6), pp. 11-17.	
/asb/	AF	Massie, "Design of a Three Degree of Freedom Force-Reflecting Haptic Interface," Bachelor of Science Thesis, Massachusetts Institute of Technology, 39 pages, 1993.	
/asb/	AG	MPB Technologies Inc., "6 DOF Haptic Interface," retrieved February 22, 2010, from http://www.mpb-technologies.ca/mpbt/mpbt_web_2009/_en/6dof/index.html , 5 pages.	
/asb/	AH	MPB Technologies Inc., "7 DOF Haptic Interface," retrieved February 22, 2010, from, http://www.mpb-technologies.ca/mpbt/mpbt_web_2009/_en/7dof/features.html , 4 pages.	
/asb/ English Abstract Only	AI	Sato et al., "A Proposal of 7 DOF Force Display Using 8 Strings", The Institute of Image Information and Television Engineers, HIR2000-100, NIM2000-100, 6 pages.	
/asb/	AJ	Sato et al., "Space Interface Device for Artificial Reality – SPIDAR," Systems and Computers in Japan, Vol. 23, No. 12, pp. 44-54, 1992, Translated from Denahi Joho Tsushin Gakkai Ronbunshi, Vol. 74-D-II, No. 7, July 1991, pp. 887-894.	
	AK	Sato, "Haptic Interface SPIDAR," Japanese publication, 7 pages, date unknown.	
/asb/	AL	Turner et al., "Preliminary Tests of an Arm-Grounded Haptic Feedback Device in Telemanipulation," Proceedings of the ASME IMECE Haptics Symposium, Anaheim, CA, November 1998, 5 pages.	
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/asb/	AA	Walairacht et al., "Two-Handed Multi-Fingers String-Based Haptic Interface Device," IEICE Trans. Inf. & Syst., Vol. E 84-D, No. 3 March 2001, pp. 365-373.
	AB	
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